

FIG. 1A

Light diffraction on grating

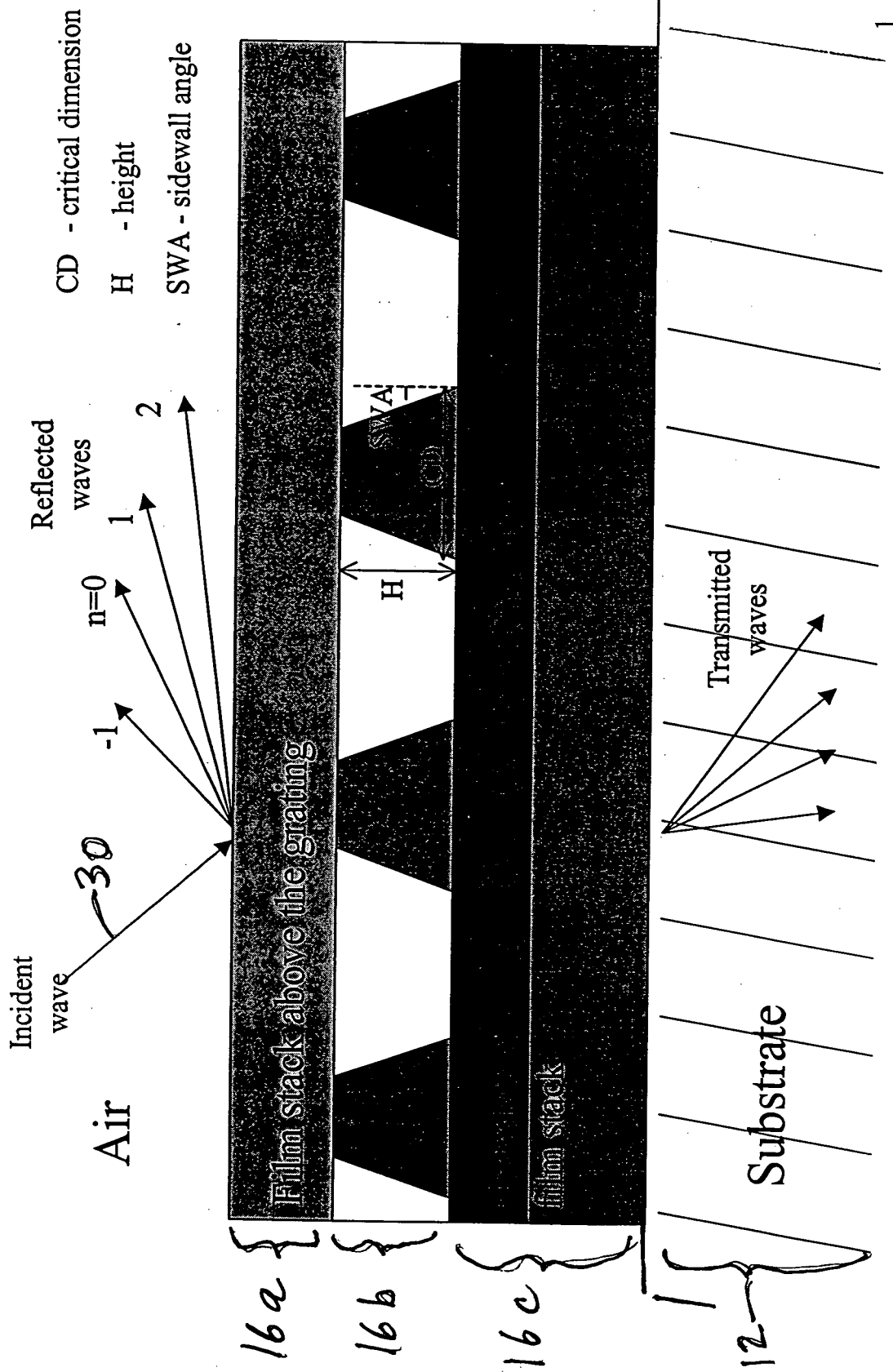
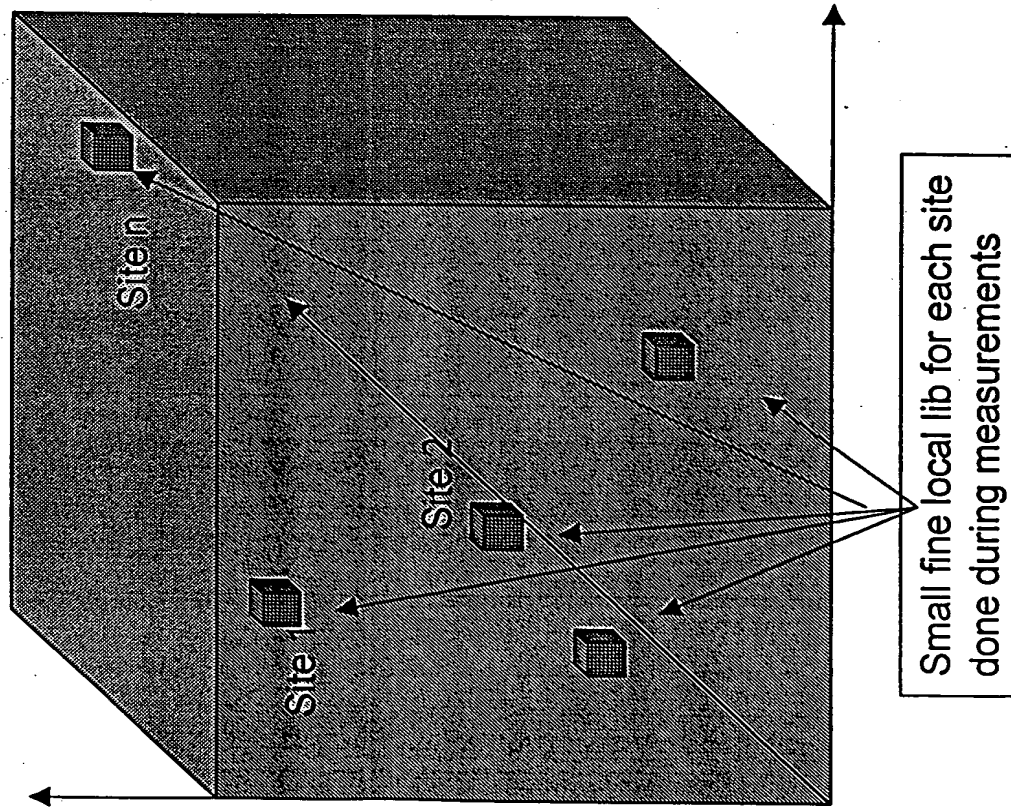


FIG. 1B

Adaptive library generation: Minimize unused library grids for maximum efficiency



Large coarse Lib to cover whole range
Done before measurements

Fig. 3

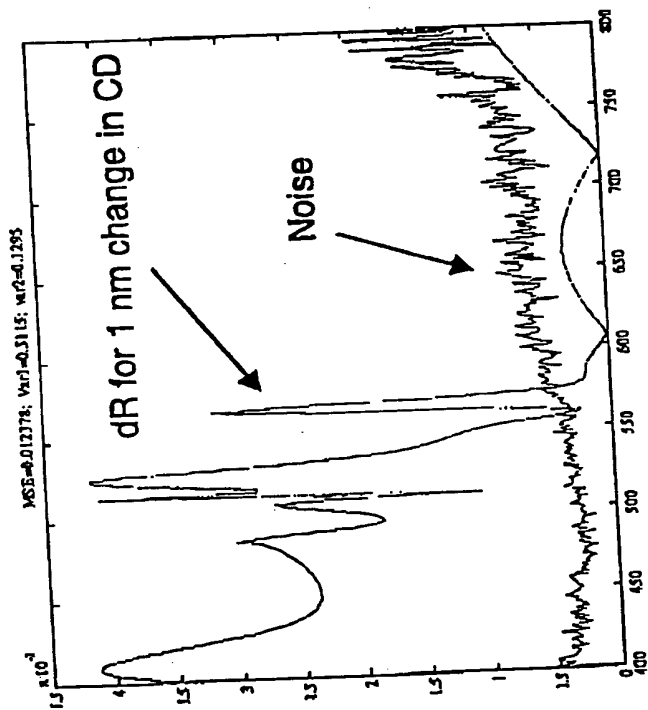


FIG. 4

002260 51112960

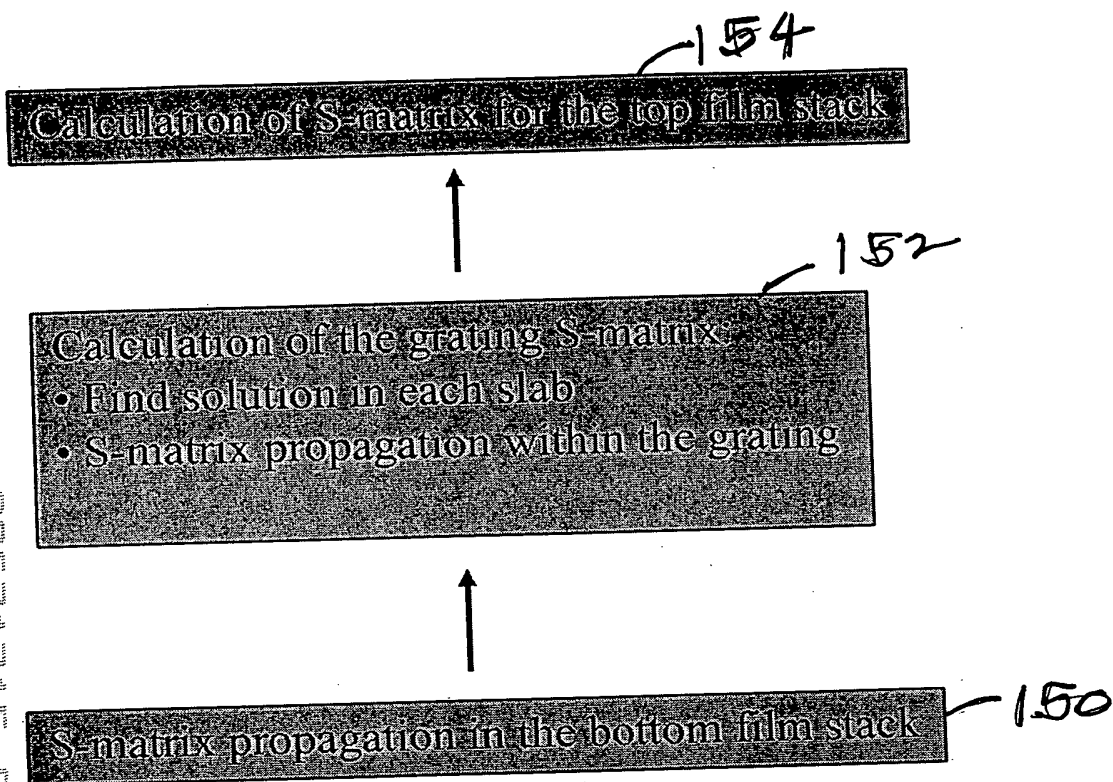
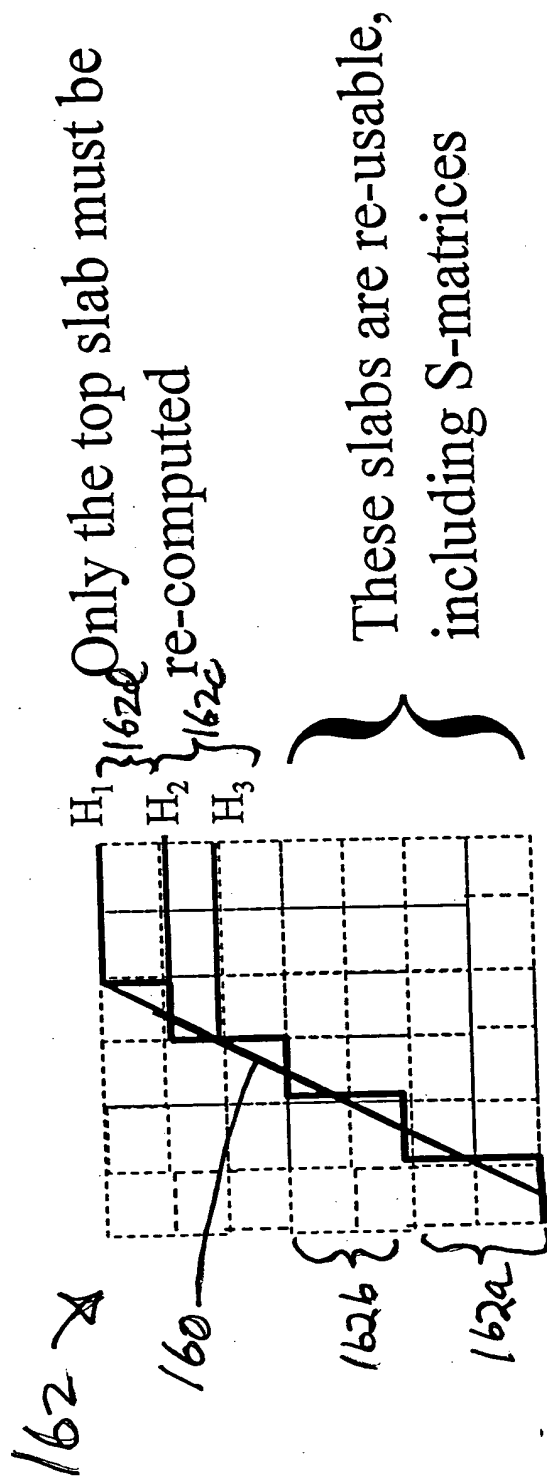


FIG. 5

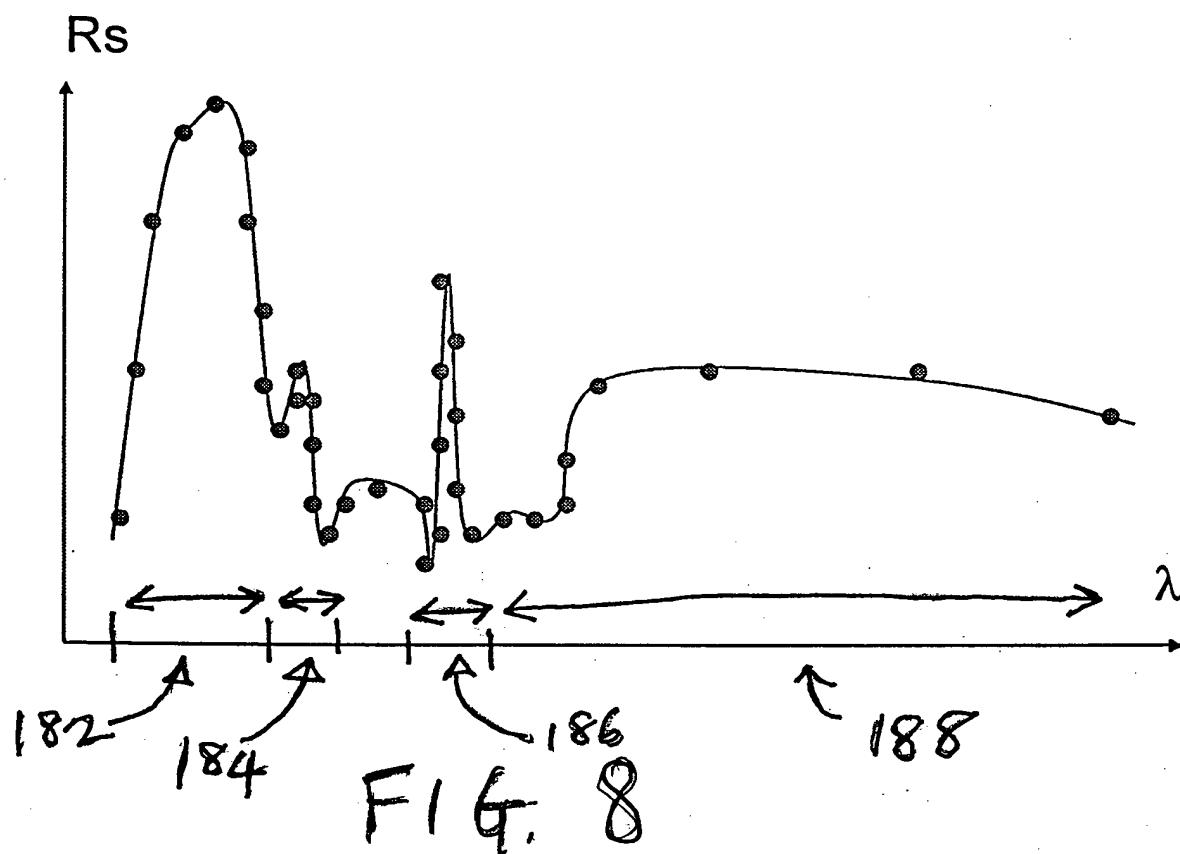
2. Re-use of grating internal S-matrices

S-matrix is saved after processing most of the slabs



F16.6

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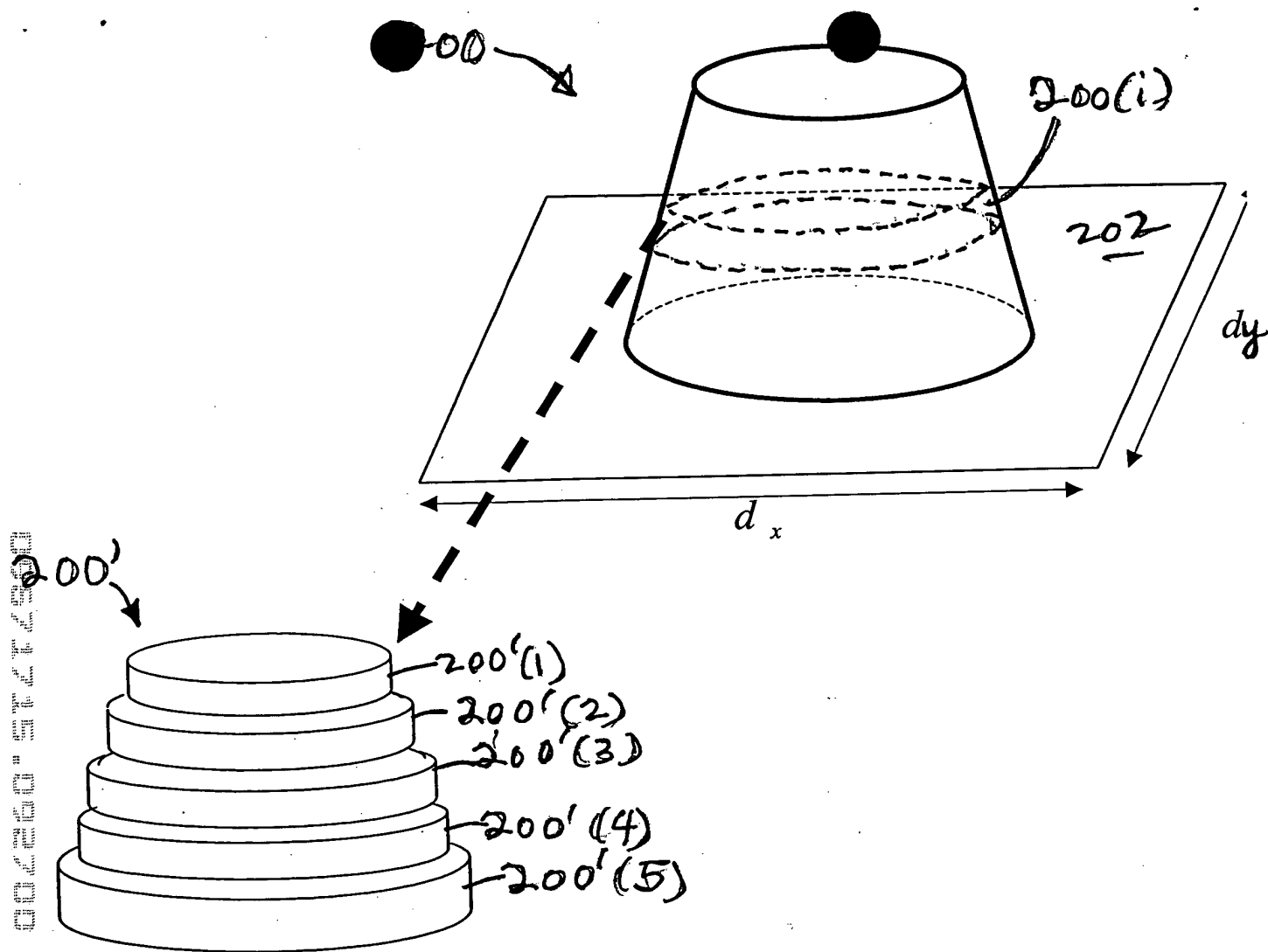
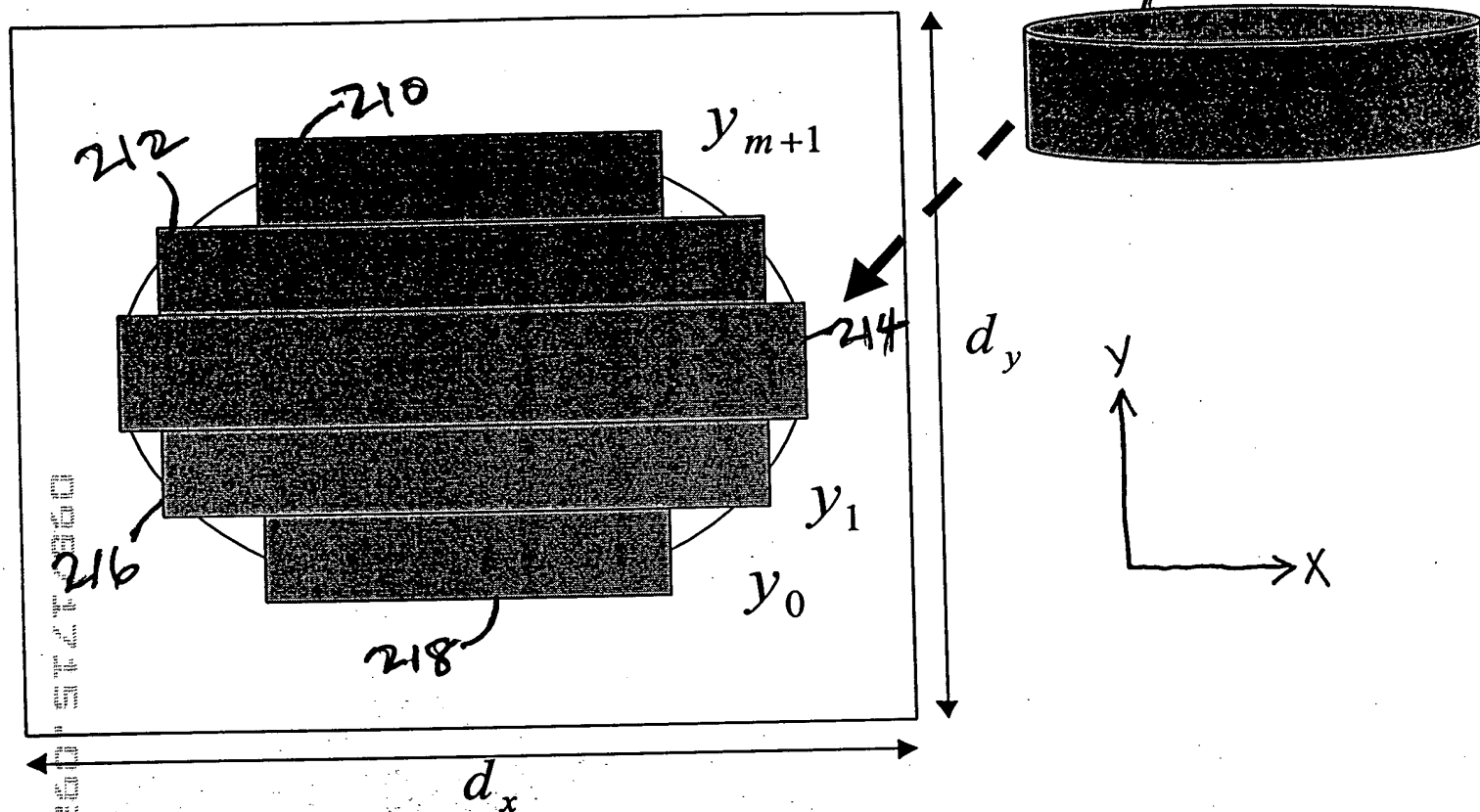


FIG. 9

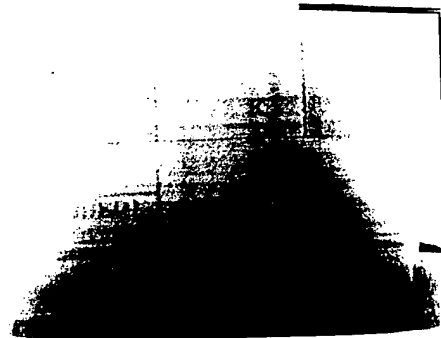
Fig. 2.



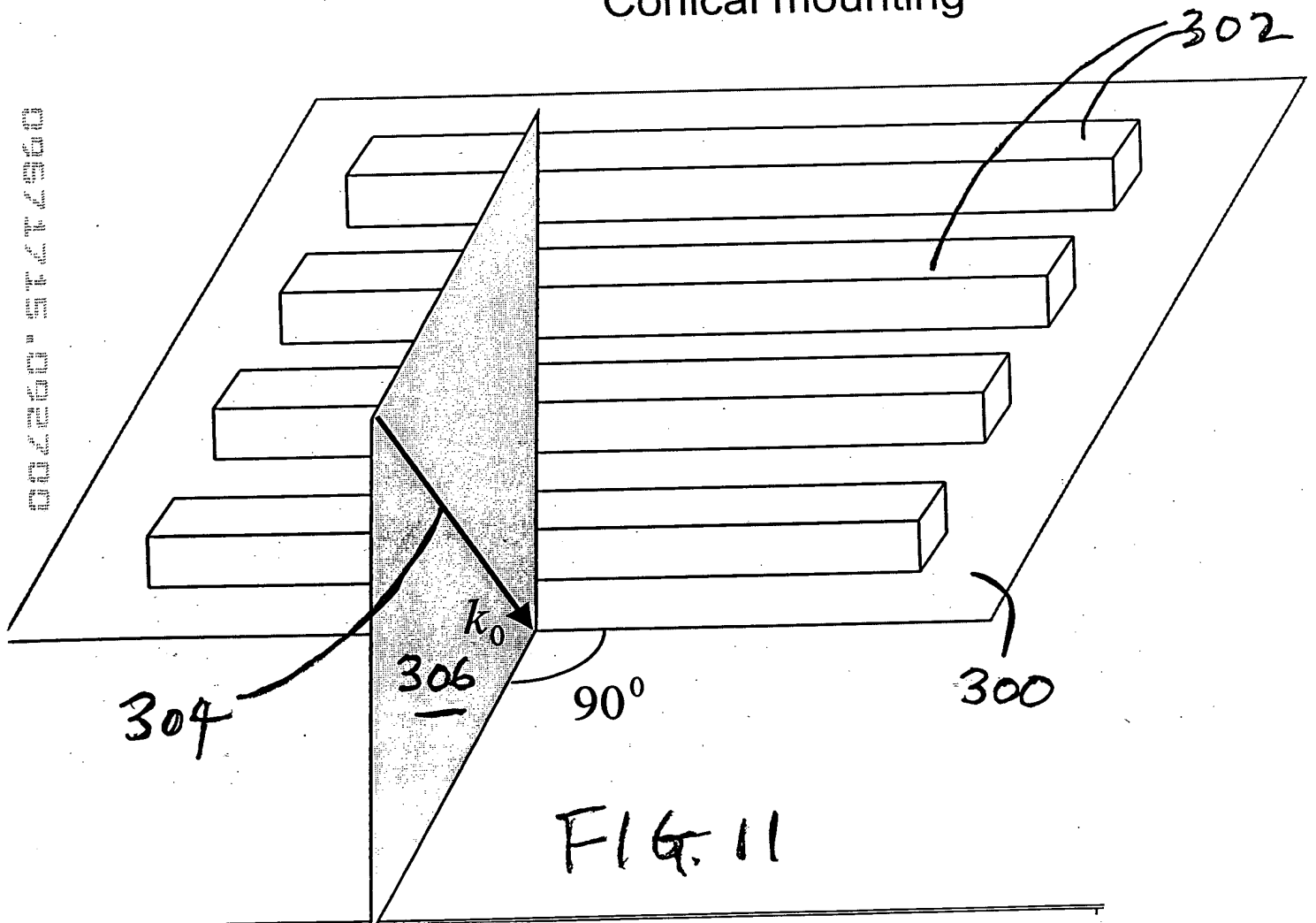
Pseudo-periodic boundary conditions in y-direction:

$$E(x, y_{m+1}) = E(x, y_0) e^{ik_0 y d_y}$$

FIG. 10



Conical mounting



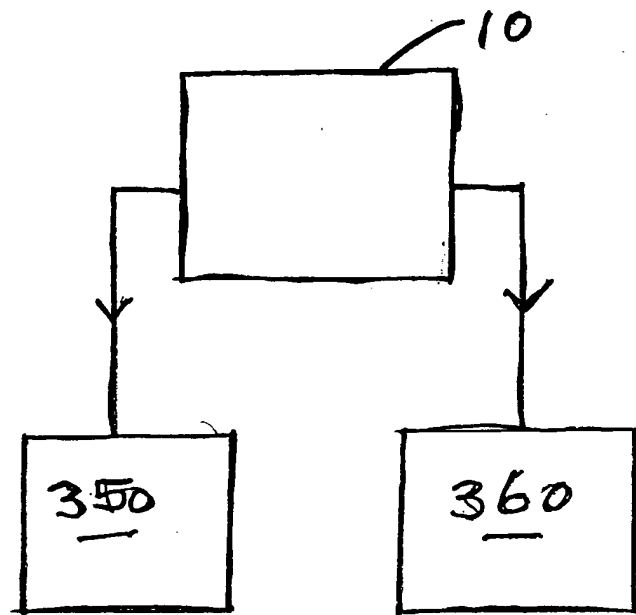


FIG. 12

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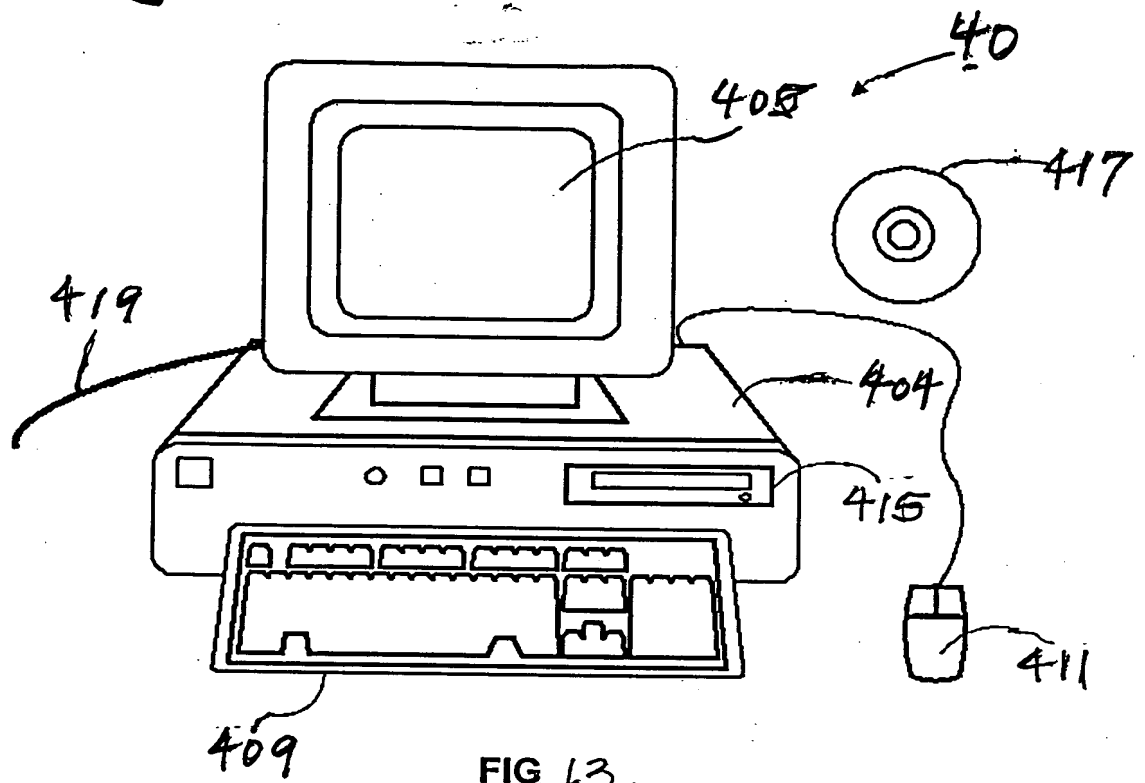


FIG 13.